Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/10/2014 11:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/27/2014 10:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 57599, Expiration Date: 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123635	-2	1.27	123463	1.00
Blue	F	SSC	125000	123836	-1	3.30	123658	2.73
Blue	E	FITC	20974	20077	-5	1.91	910	8.21
Blue	D	PE	25516	25266	-1	1.50	941	7.15
Blue	B	PerCP-Cy5-5	47091	46519	-2	2.68	1590	11.52
Blue	A	PE-Cy7	41727	40897	-2	4.63	892	21.39
Red	C	APC	51192	49706	-3	2.14	2901	8.38
Red	A	APC-Cy7	50012	49052	-2	2.59	1546	8.40
Violet	B	V450	15453	14945	-4	1.65	897	5.69
Violet	A	V500	60987	59980	-2	1.48	2905	3.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20349	2.03	560	1	N/A	N/A	Pass
Blue	F	SSC	60524	1.72	473	10	N/A	N/A	Pass
Blue	E	FITC	112	28.32	502	3	0.0324	0	Pass
Blue	D	PE	209	20.54	492	5	0.2999	194	Pass
Blue	B	PerCP-Cy5-5	218	32.57	570	3	0.0178	97	Pass
Blue	A	PE-Cy7	80	74.13	622	2	0.0246	18	Pass
Red	C	APC	330	24.21	565	4	0.0258	61	Pass
Red	A	APC-Cy7	133	32.39	545	5	0.0075	1847	Pass
Violet	B	V450	94	34.88	447	10	0.0915	3068	Pass
Violet	A	V500	200	18.62	478	10	0.0236	635	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.96	-31.64	0.93
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.26
Red	17.52	13.07 - 19.61	N/A	N/A	32.00	32.42	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 15095

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments